

ABSTRACT OF THE DISCLOSURE

A plurality of profile portion divided metal
molds 12 surround a profile portion 11a of a
5 supercharger rotor 11 to allow division. A pair of end
metal molds 14 and 15 surround both ends of the rotor.
A helical core 16 is attached to one end metal mold 14
so as to be helically passed through the profile portion
of the rotor. A rotor-shaped cavity 13 is formed inside
10 by the profile portion divided metal molds, and the end
metal molds. Hot metal is pressurized, and injected and
solidified in the cavity. Then, the end metal mold 14
having the helical core is pulled out by being rotated
along a helical line.

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